

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A switching power supply unit comprising a transformer, a switching circuit disposed on a primary side of the transformer, a self-driven type synchronous rectifier circuit disposed on a secondary side of the transformer and including at least ~~one~~two rectifier ~~switch~~switches, and a self-oscillation stop circuit disposed on the secondary side of the transformer and adapted to turn off the ~~at least one~~two rectifier ~~switch~~switches ~~when if~~ a voltage between opposite ends of either of the ~~at least one~~two rectifier ~~switch~~switches exceeds a ~~predetermined~~ value.

2. (Currently Amended) A switching power supply unit in accordance with Claim 1, ~~which further comprise~~ wherein the self-oscillation stop circuit includes a Zener diode connected in parallel with either of the ~~at least one~~two rectifier ~~switch~~switches.

3. (Currently Amended) A switching power supply unit in accordance with Claim 2, wherein a Zener voltage of the Zener diode is determined so as to be higher than a voltage applied between the opposite ends either of the ~~at least one~~two rectifier ~~switch~~switches during ordinary operation.

4. (Currently Amended) A switching power supply unit in accordance with Claim 3, wherein the Zener voltage of the Zener diode is determined so as to be lower than a withstand voltage of either of the ~~at least one~~two rectifier ~~switch~~switches.

5. (Currently Amended) A switching power supply unit in accordance with Claim 1, wherein the self-oscillation stop circuit is constituted so as to turn off the ~~at least~~

~~one~~two rectifier ~~switch~~-switches by substantially short-circuiting a gate and a source of the ~~at least one~~two rectifier ~~switch~~switches.

6. (Currently Amended) A switching power supply unit in accordance with Claim 2, wherein the self-oscillation stop circuit is constituted so as to turn off the ~~at least one~~two rectifier ~~switch~~-switches by substantially short-circuiting a gate and a source of the ~~at least one~~two rectifier ~~switch~~switches.

7. (Currently Amended) A switching power supply unit in accordance with Claim 3, wherein the self-oscillation stop circuit is constituted so as to turn off the ~~at least one~~two rectifier ~~switch~~-switches by substantially short-circuiting a gate and a source of the ~~at least one~~two rectifier ~~switch~~switches.

8. (Currently Amended) A switching power supply unit in accordance with Claim 4, wherein the self-oscillation stop circuit is constituted so as to turn off the ~~at least one~~two rectifier ~~switch~~-switches by substantially short-circuiting a gate and a source of the ~~at least one~~two rectifier ~~switch~~switches.

9. (New) A switching power supply unit, comprising:
a transformer;
a switching circuit coupled to a primary side of the transformer;
a self-driven type synchronous rectifier circuit coupled to a secondary side of the transformer and including two rectifier switches; and
a self-oscillation stop circuit coupled to the secondary side of the transformer and adapted to simultaneously turn off the two rectifier switches if a respective voltage between two terminals, of either of the two rectifier switches, exceeds a value.

10. (New) The switching power supply unit of claim 9 wherein the stop circuit includes a Zener diode having a Zener voltage that is associated with said value, wherein

the stop circuit is adapted to turn off the two rectifier switches if the respective voltage between their two terminals exceeds the Zener voltage.

11. (New) The switching power supply unit of claim 9 wherein the two rectifier switches comprise two transistors, and wherein the two terminals comprise source and drain terminals of the two transistors.

12. (New) The switching power supply unit of claim 11 wherein the stop circuit is adapted to turn off the two rectifier switches by substantially short-circuiting gate and source terminals of the two rectifier switches.

13. (New) The switching power supply unit of claim of 9 wherein the stop circuit includes a Zener diode coupled in parallel to at least one of the rectifier switches between the two terminals of said at least one rectifier switch, the Zener diode having a Zener voltage that provides said value.

Amendments to the Abstract:

Please replace the previous Abstract with the following redlined Abstract:

A switching power supply unit includes a transformer, a switching circuit disposed on a primary side of the transformer, a self-driven type synchronous rectifier circuit disposed on a secondary side of the transformer and including a rectifier switch, and a self-oscillation stop circuit disposed on the secondary side of the transformer and adapted to turn off the rectifier switch when a voltage between opposite ends of the rectifier switch exceeds a ~~predetermined~~ value. In the ~~thus constituted~~ switching power supply unit, it is possible to quickly stop self-oscillation of a self-driven type synchronous rectifier circuit without using an isolated element such as a photo-coupler or ~~the like~~ other types of isolated elements.